

FIG. 1

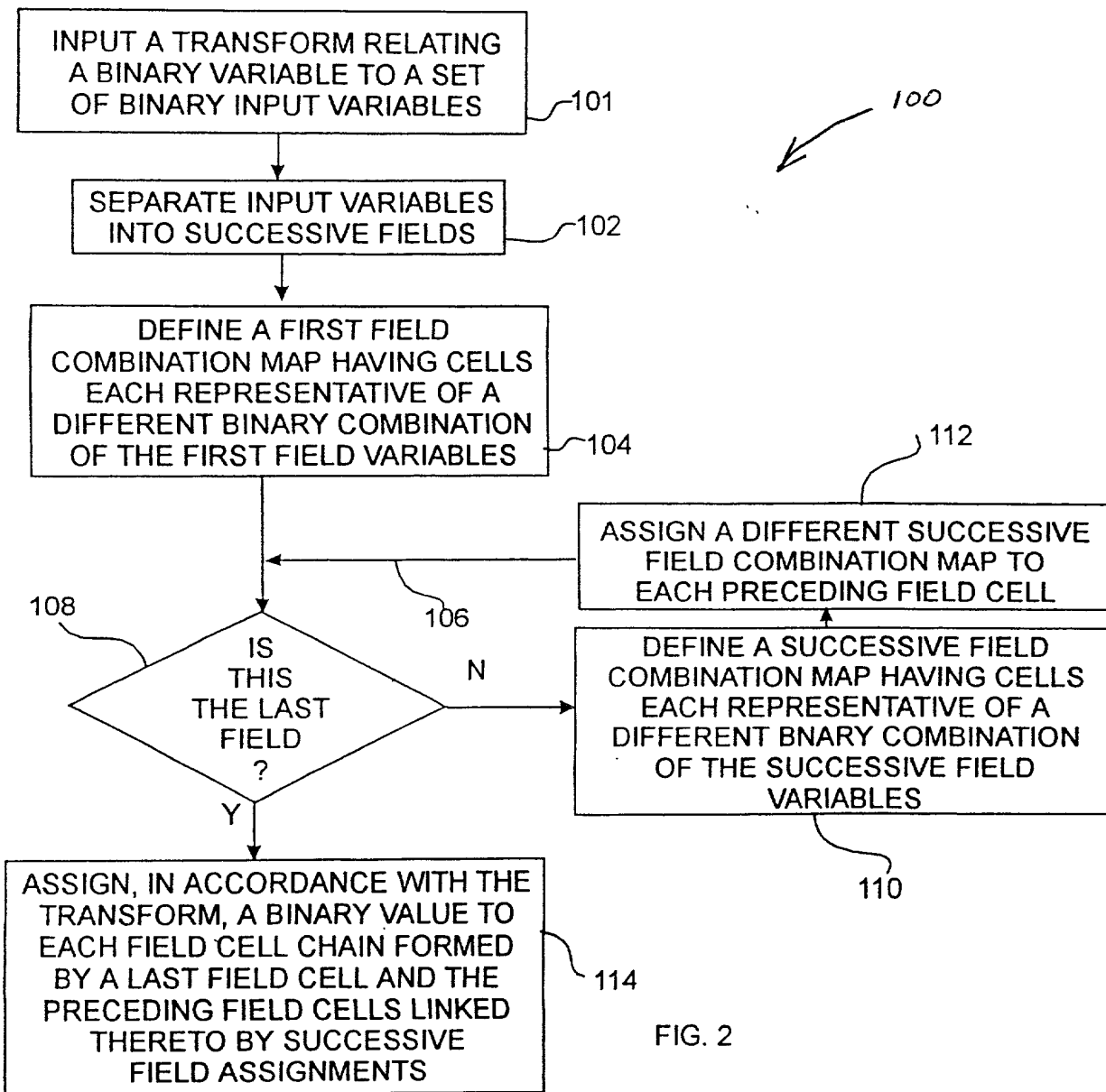


FIG. 2

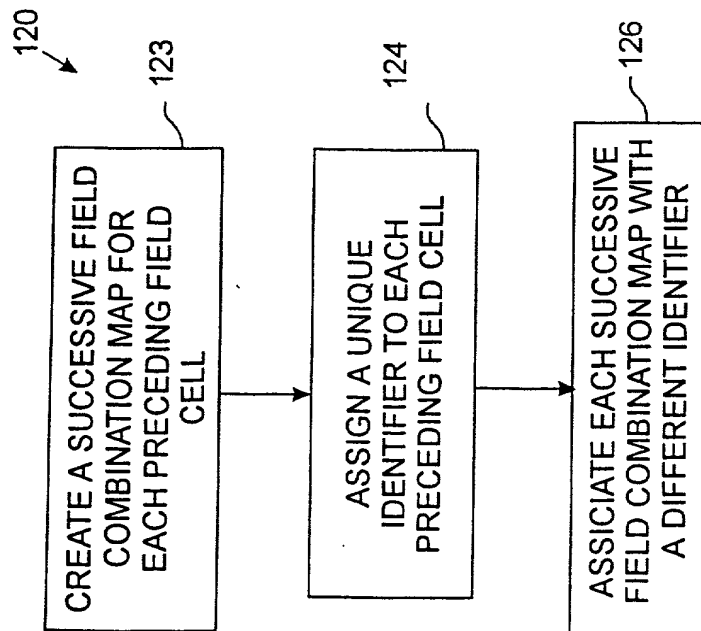


FIG. 3A

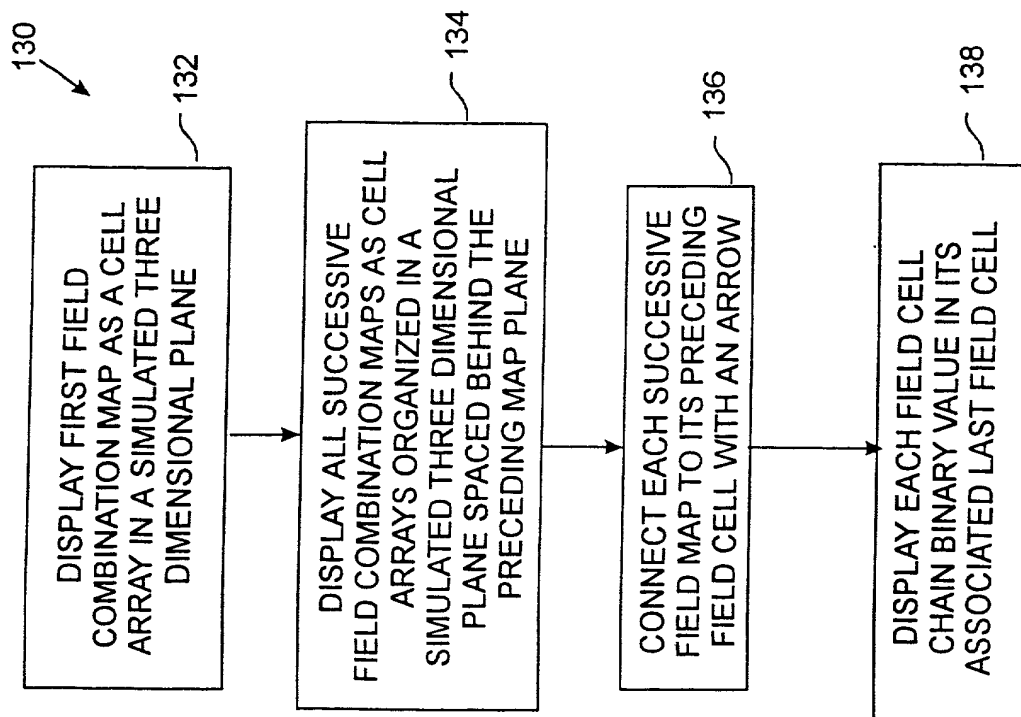


FIG. 3B

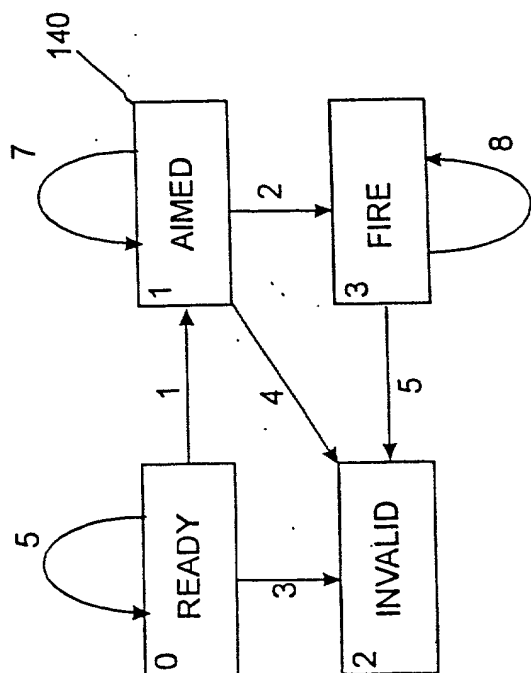


FIG. 4A

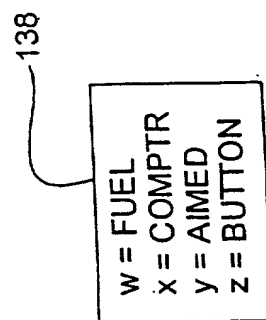


FIG. 4C

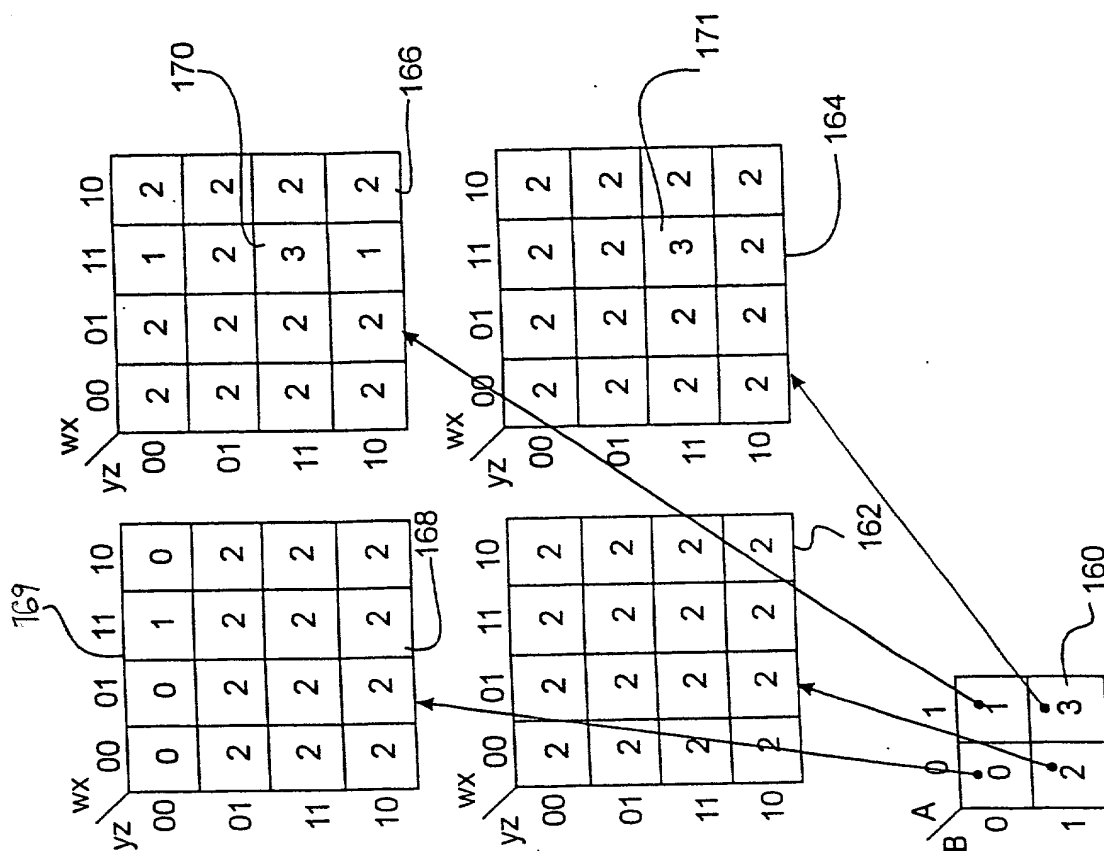


FIG. 4B.

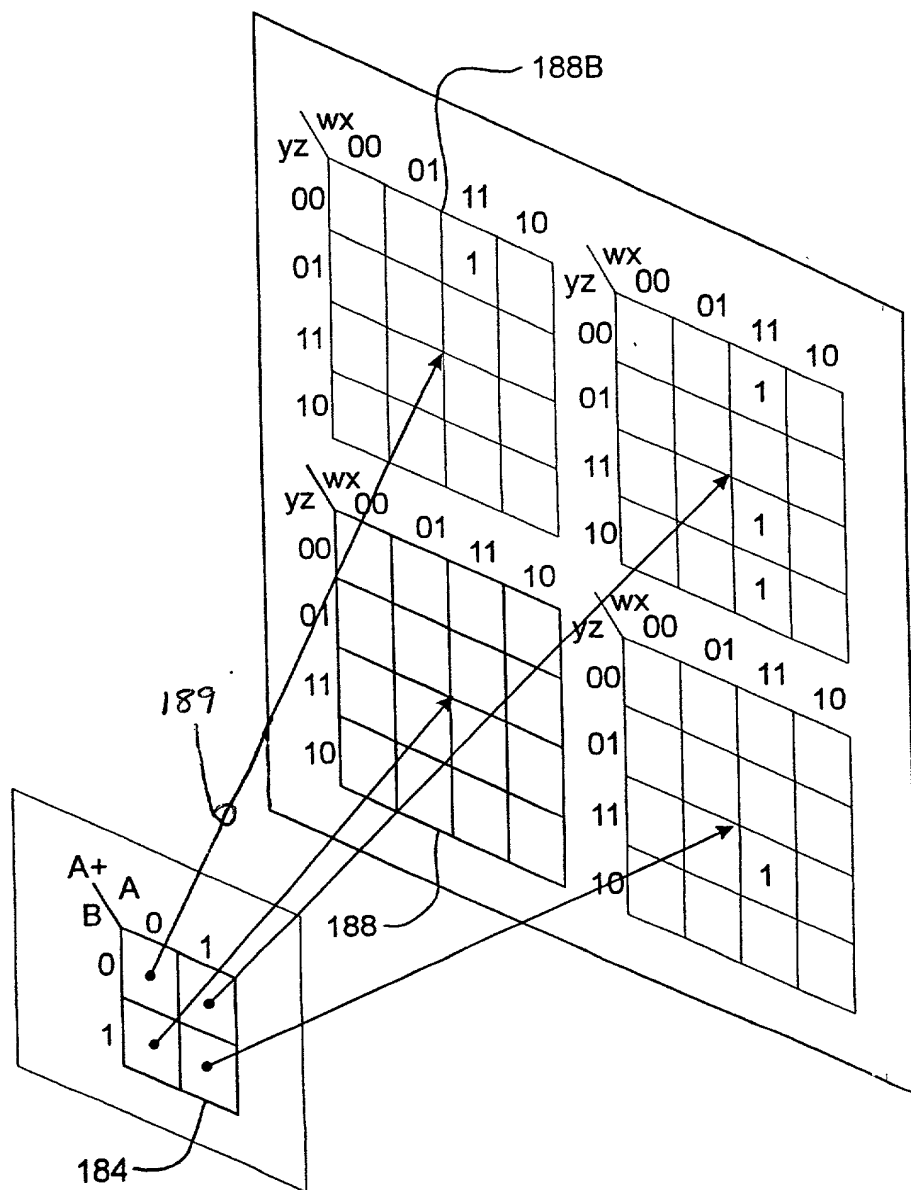


FIG. 5

$$\begin{aligned}
 & 180 \quad 186 \quad 190 \\
 & A+ = f(A, B, w, x, y, z) \\
 & 192 \quad A+ = A'B'wxyz' + AB'(wxz' + wxyz) + ABwxyz
 \end{aligned}$$

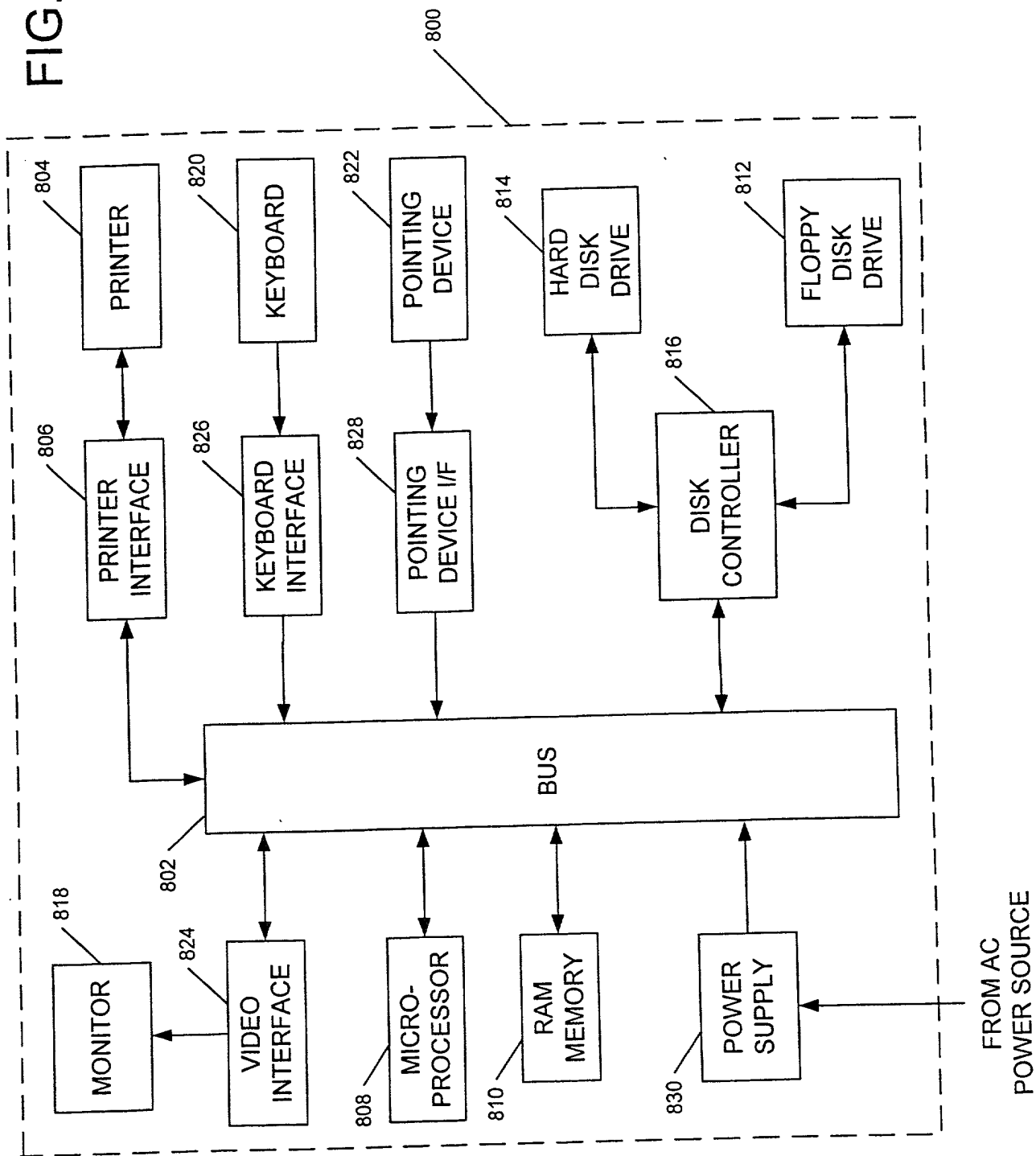
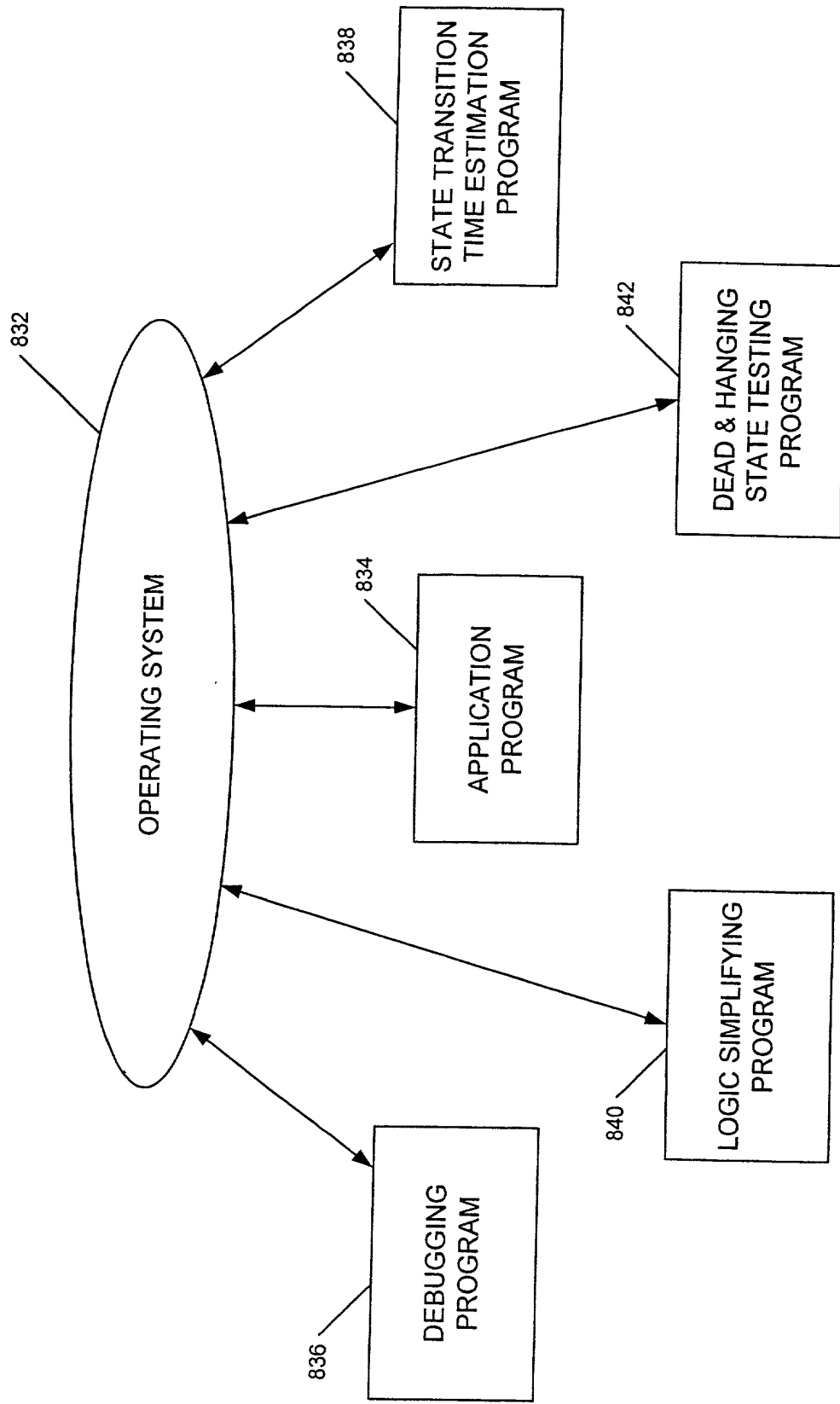


FIG. 6B



START

SELECT THE FIELD WHICH IS  
ABOVE THE FIELD WHOSE INPUTS  
ARE TO BE IDENTIFIED AS  
ACTIVE OR INACTIVE

230

229

SELECT THE DESIRED STATE OR FIELD  
COMBINATION WHICH WILL HAVE ITS NEXT LOWER  
LEVEL INPUTS MARKED AS ACTIVE OR INACTIVE

231

MARK THOSE INPUTS SELECTED TO BE DISPLAYED  
IN THE FIELD BELOW THIS FIELD COMBINATION  
AS ACTIVE INPUTS FOR THIS COMBINATION,  
AND MARK ALL OTHER INPUTS AS INACTIVE

232

GENERATE AN ARRAY OF INPUTS INDICATING  
ACTIVE OR INACTIVE INPUTS FOR THIS COMBINATION

233

ARRANGE THE ACTIVE INPUTS INTO A CONTINUOUS  
SEQUENCE OF INPUTS SUCH THAT THE INPUTS WILL  
BE DISPLAYED IN ORDER AT THE NEXT LOWER FIELD LEVEL

234

GO  
DOWN TO NEXT  
LEVEL OF SELECTED  
COMBINATION?

235

N

STOP

Y

DISPLAY THE COMBINATION OF THE ACTIVE  
INPUTS WITH ASSIGNED BIT LOCATIONS  
FOR THE CONTINUOUS SEQUENCE FOR THIS FIELD

236

FIG. 7



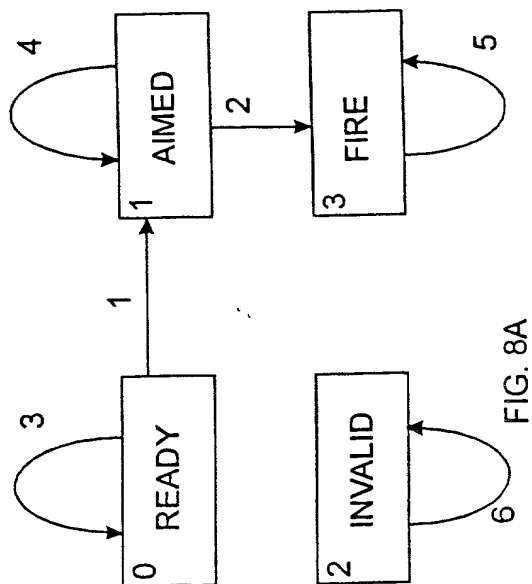


FIG. 8A

W = FUEL  
 X = COMPTTR  
 Y = AIMED  
 Z = BUTTON

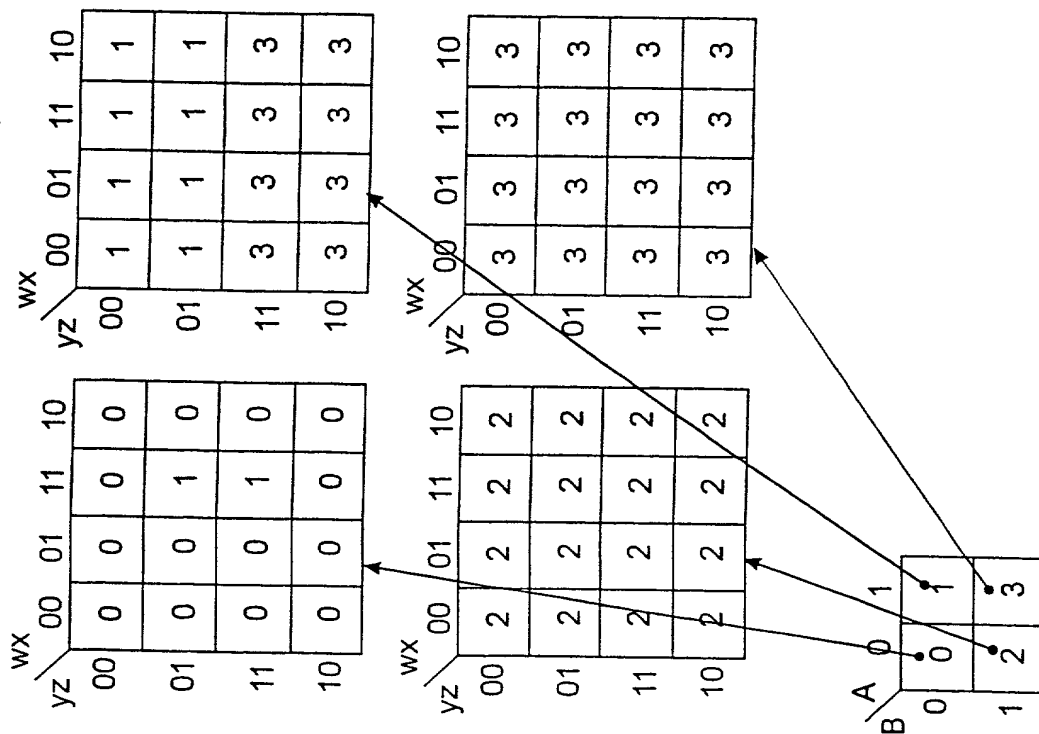


FIG. 8B

FIG. 8C

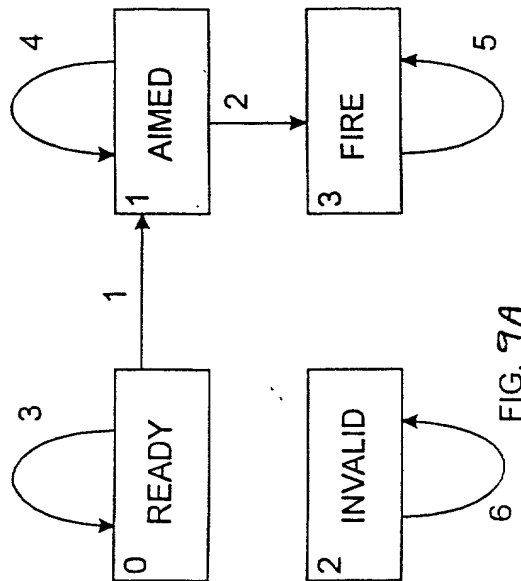


FIG. 9A

W = FUEL  
X = COMPTTR  
Y = AIMED  
Z = BUTTON

FIG. 9C

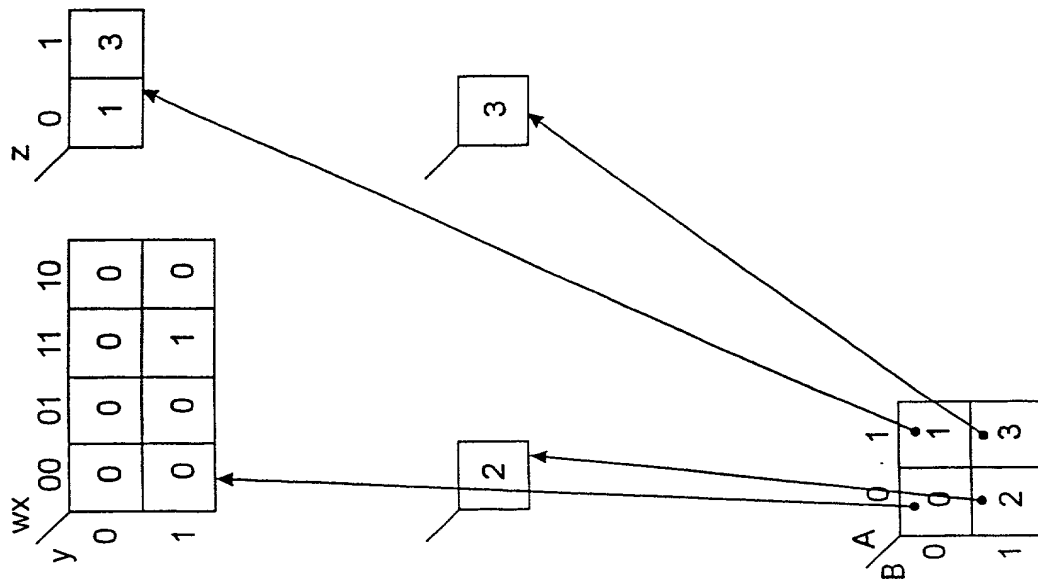


FIG. 9B

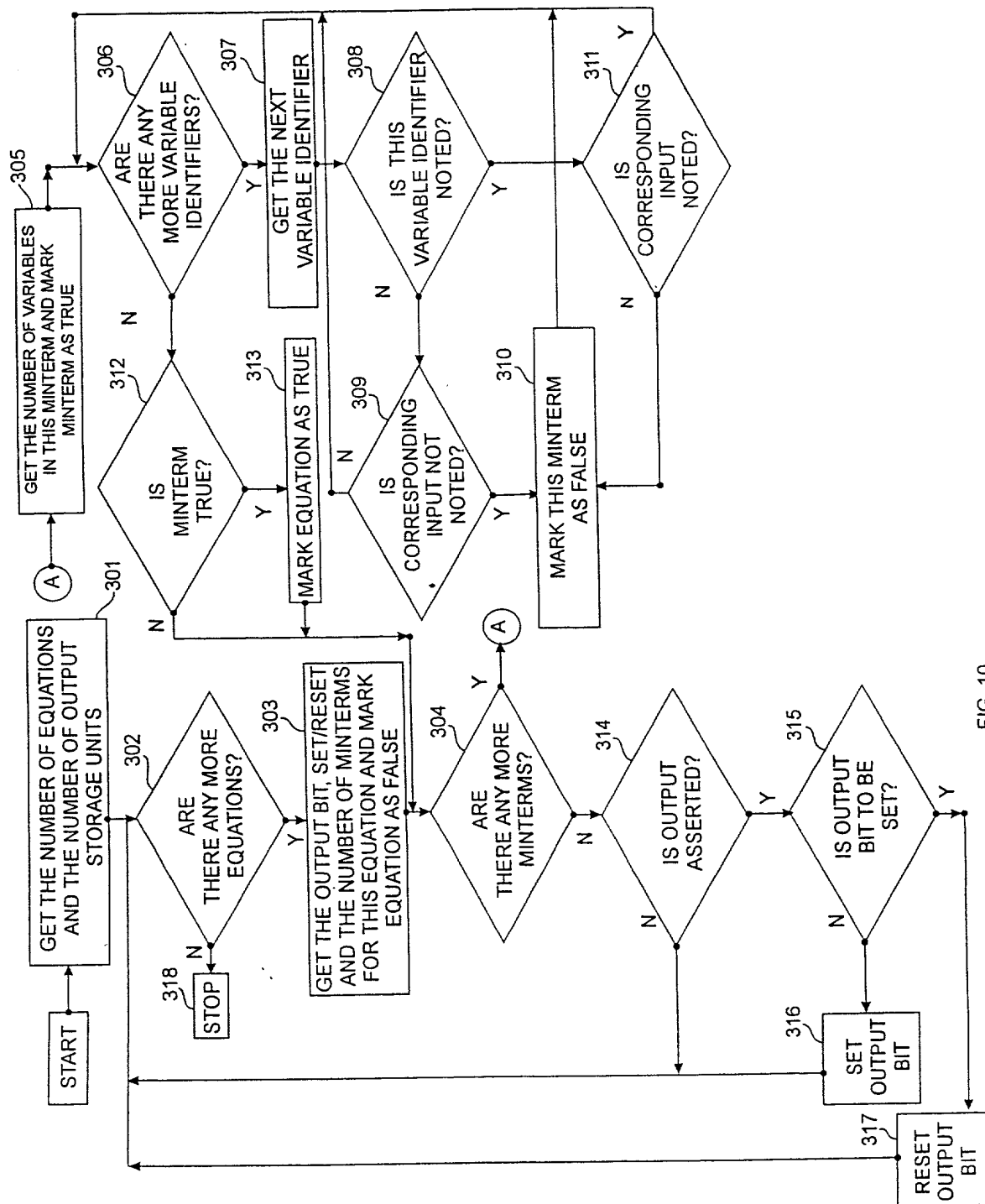


FIG. 10

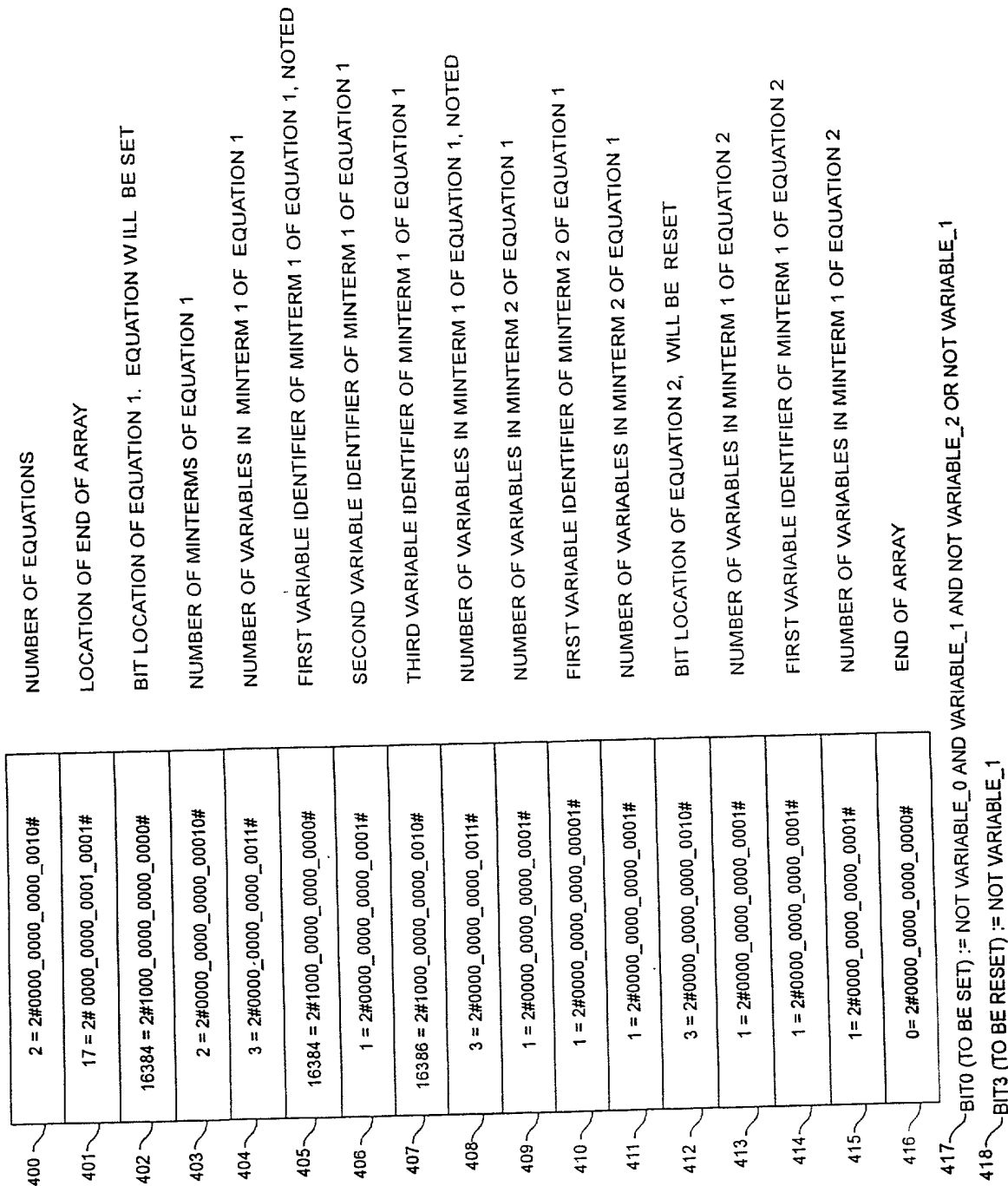


FIG. 11

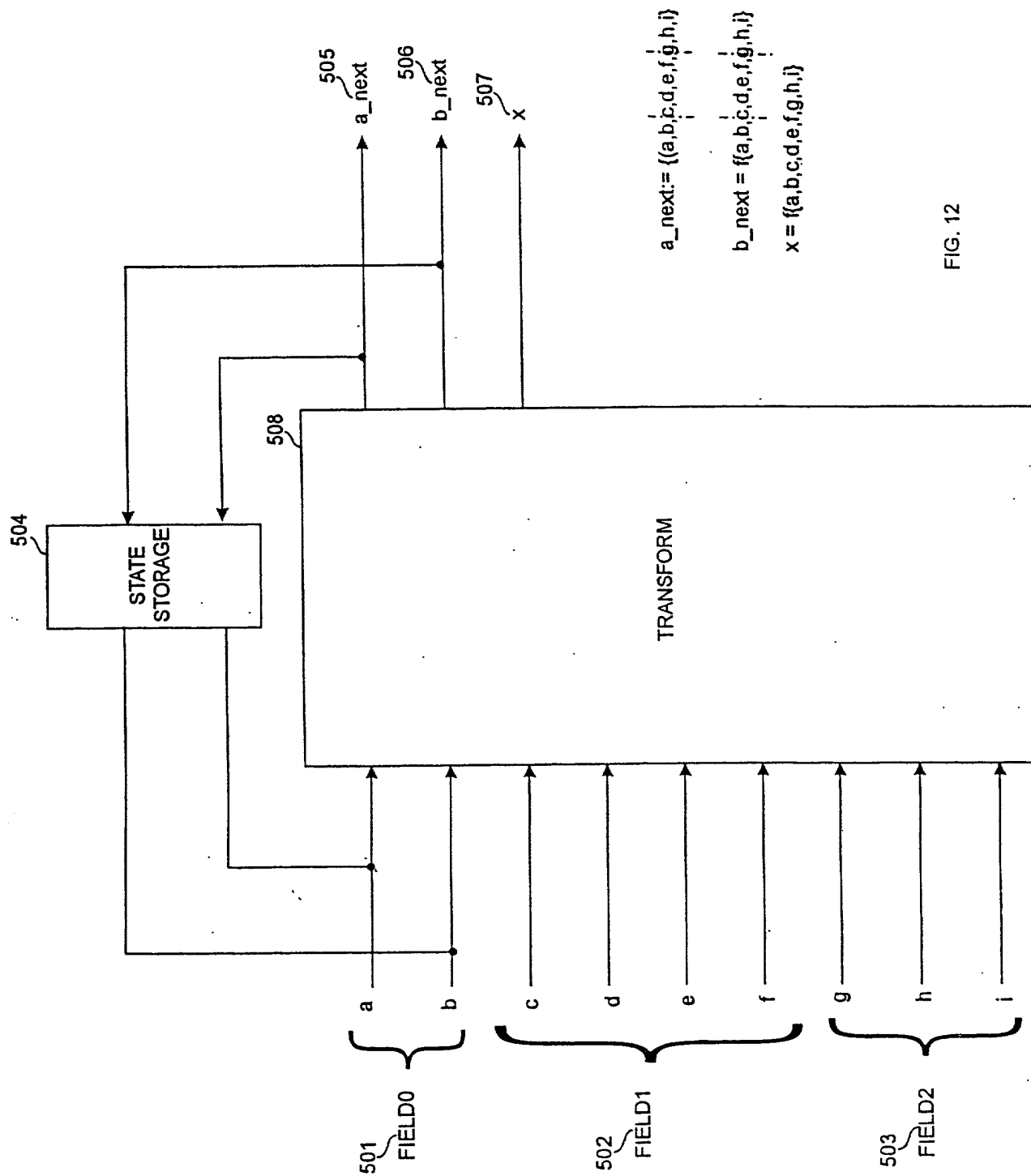
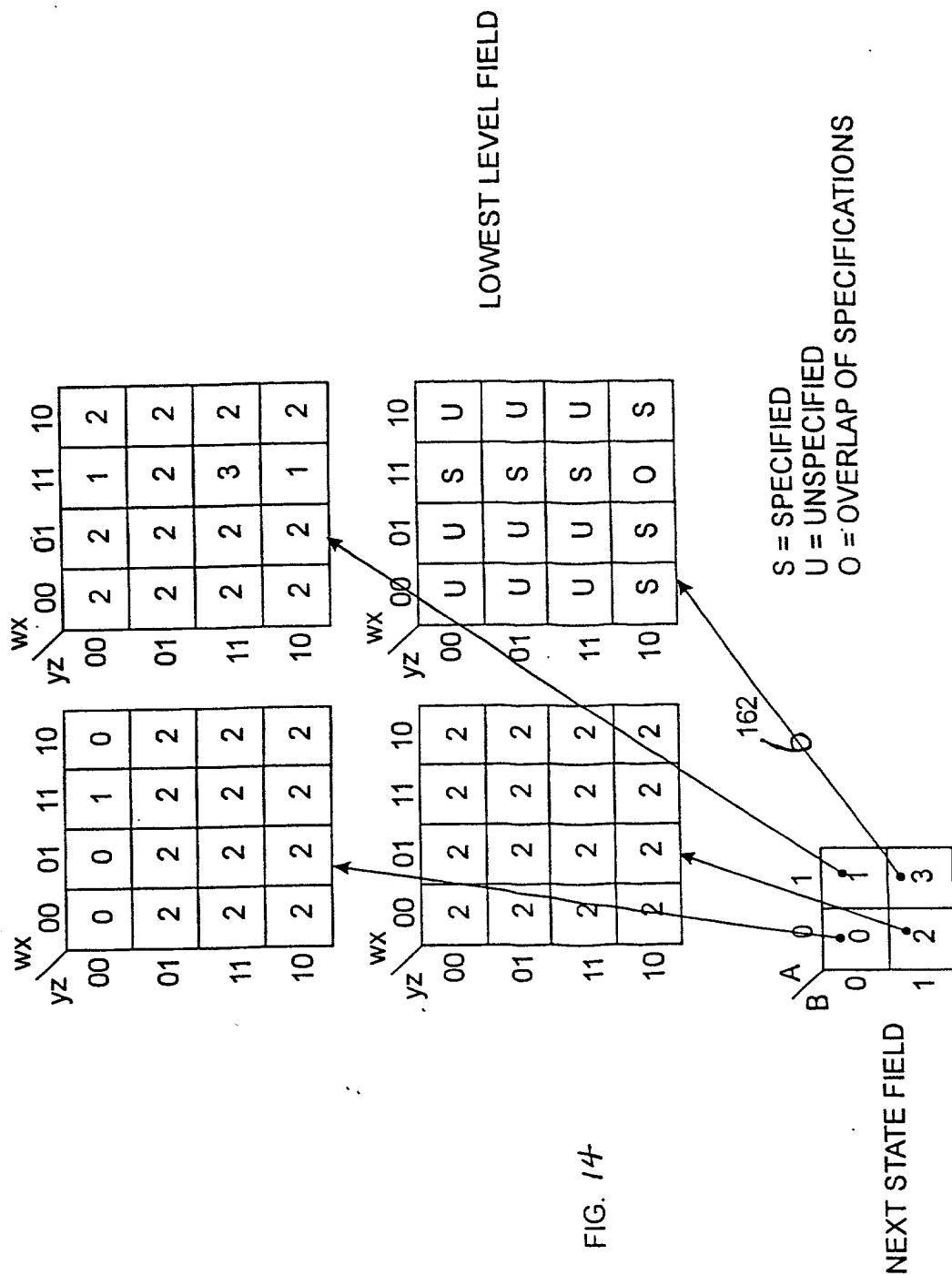


FIG. 12





THE NEXT STATE SPECIFICATIONS THAT ARE BELOW STATE FIELD COMBINATION 3, NAMELY, "FOR ALL COMBINATIONS WHERE ABYZ' ARE TRUE GO TO NEXT STATE 1, AND FOR ALL COMBINATIONS WHERE ABWX ARE TRUE GO TO NEXT STATE 2," WILL RESULT IN AN OVERLAPPED (O) OR AMBIGUOUS SPECIFICATION FOR COMBINATION ABWXyz' AND UNSPECIFIED (U) OR INCOMPLETE SPECIFICATION IN COMBINATIONS AB(w'y'+w'z+x'y'+x'z).

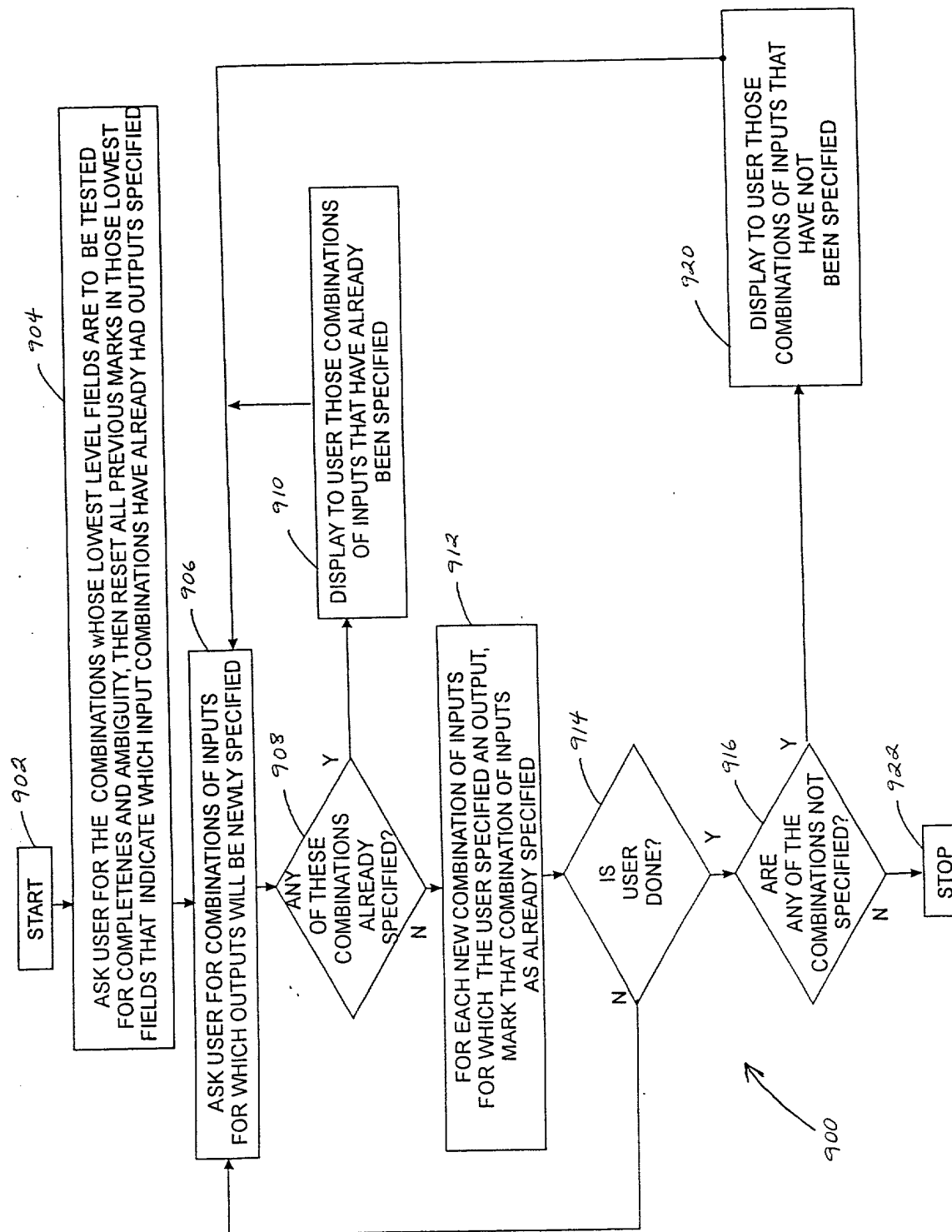


FIG. 15